

INTEROFFICE CORRESPONDENCE

DATE: October 13, 1993

TO: Distribution

FROM: *REM* R. E. Madel, Environmental Engineering & Technology, Bldg. 080, X6972

RE: MODIFICATIONS TO THE SAMPLING AND ANALYSIS PLAN FOR THE OU 2 SURFACE WATER INTERIM MEASURE/INTERIM REMEDIAL ACTION FIELD TREATMENT UNIT AT SOUTH WALNUT CREEK - REM-014-93

Based on the needs of the Operable Unit No. 2 Surface Water Interim Measure/Interim Remedial Action (SW IM/IRA) Treatability Study Report (TSR), EE&T is suggesting modifications (see Attachment A) to the Sampling and Analysis Plan (SAP) for Operation and Maintenance of the Field Treatability Unit for Operable Unit No. 2 (RFP/ER-WP-OU 2.4) currently in place. The suggested changes are based upon two scenarios. The first scenario assumes that the reporting period for the TSR is completed. The second scenario assumes that the TSR is on-going. RPM is waiting on guidance from DOE to determine whether the reporting period for the TSR is completed.

Please note that the suggested modifications include requirements for sampling of the surface water sources that drain into South Walnut Creek (SW-59, SW-61 and SW-1693).

Please contact me at extension 6972 or Ty Vess at extension 6540 if you have any questions or concerns. Thank you.

cc:

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Scenario 1 (TSR Reporting Period is Completed):

Treatability Study Samples

Location	Type	Analytical Method	Sampling Frequency
RS-2	Volatile Organics	EPA 524.2	1/week
	Metals	SW846/6010/7000	1/week
	Gross α	EPA 900	1/week
	Gross β	EPA 900	1/week
	Pu 239+240	EMSL-LV-0539-17	1/week
	Uranium	EPA 908.0	1/week
RS-6	Volatile Organics	EPA 524.2	1/week
	Metals	SW846/6010/7000	1/week
	Gross α	EPA 900	1/week
	Gross β	EPA 900	1/week
	Pu 239+240	EMSL-LV-0539-17	1/week
	Uranium	EPA 908.0	1/week
(On-site analysis of RS-6 pending operation of RFP analytical equipment)			
RS-7	Volatile Organics	EPA 524.2	2/week
	Metals	SW846/6010/7000	2/week
	Gross α	EPA 900	2/week
	Gross β	EPA 900	2/week
	Pu 229+240	EMSL-LV-0539-17	2/week
	Uranium	EPA 908.0	2/week

Surface Water Samples

Location	Type	Analytical Method	Sampling Frequency
SW-59	Volatile Organics	EPA 524.2	2/month
	Metals	SW846/6010/7000	2/month
	Gross α	EPA 900	2/month
	Gross β	EPA 900	2/month
	Pu 239+240	EMSL-LV-0539-17	2/month
	Uranium	EPA 908.0	2/month
SW-61	Volatile Organics	EPA 524.2	2/month
	Metals	SW846/6010/7000	2/month
	Gross α	EPA 900	2/month
	Gross β	EPA 900	2/month
	Pu 239+240	EMSL-LV-0539-17	2/month
	Uranium	EPA 908.0	2/month
SW-1693	Volatile Organics	EPA 524.2	1/week
	Metals	SW846/6010/7000	1/week
	Gross α	EPA 900	1/week
	Gross β	EPA 900	1/week
	Pu 239+240	EMSL-LV-0539-17	1/week
	Uranium	EPA 908.0	1/week

(Flow rates collected at each station)

Scenario 2 (TSR Reporting Period is Not Completed):

Treatability Study Samples

Location	Type	Analytical Method	Sampling Frequency
RS-2	Volatile Organics	EPA 524.2	1/week
	Metals	SW846/6010/7000	1/week
	Gross α	EPA 900	1/week
	Gross β	EPA 900	1/week
	Pu 239+240	EMSL-LV-0539-17	1/week
	Uranium	EPA 908.0	1/week
RS-5	Volatile Organics	EPA 524.2	1/week
	Metals	SW846/6010/7000	1/week
	Gross α	EPA 900	1/week
	Gross β	EPA 900	1/week
	Pu 239+240	EMSL-LV-0539-17	1/week
	Uranium	EPA 908.0	1/week
RS-6	Volatile Organics	EPA 524.2	1/week
	Metals	SW846/6010/7000	1/week
	Gross α	EPA 900	1/week
	Gross β	EPA 900	1/week
	Pu 239+240	EMSL-LV-0539-17	1/week
	Uranium	EPA 908.0	1/week
(On-site analysis of RS-6 pending operation of RFP analytical equipment)			
RS-7	Volatile Organics	EPA 524.2	2/week
	Metals	SW846/6010/7000	2/week
	Gross α	EPA 900	2/week
	Gross β	EPA 900	2/week
	Pu 229+240	EMSL-LV-0539-17	2/week
	Uranium	EPA 908.0	2/week

Surface Water Samples

Location	Type	Analytical Method	Sampling Frequency
SW-59	Volatile Organics	EPA 524.2	2/month
	Metals	SW846/6010/7000	2/month
	Gross α	EPA 900	2/month
	Gross β	EPA 900	2/month
	Pu 239+240	EMSL-LV-0539-17	2/month
	Uranium	EPA 908.0	2/month
SW-61	Volatile Organics	EPA 524.2	2/month
	Metals	SW846/6010/7000	2/month
	Gross α	EPA 900	2/month
	Gross β	EPA 900	2/month
	Pu 239+240	EMSL-LV-0539-17	2/month
	Uranium	EPA 908.0	2/month
SW-1693	Volatile Organics	EPA 524.2	1/week
	Metals	SW846/6010/7000	1/week
	Gross α	EPA 900	1/week
	Gross β	EPA 900	1/week
	Pu 239+240	EMSL-LV-0539-17	1/week
	Uranium	EPA 908.0	1/week

(Flow rates collected at each station)

Sampling at all locations will be conducted in accordance with the following procedures:

FTU sampling:

EMD Operating Procedure 5-21000-OPS-SW.1, Surface Water Data Collection Activities.

EMD Operating Procedure 5-21000-OPS-SW.07, Collection of Tapwater Samples.

EMD Operating Procedure 5-21000-OPS-SW.9, Industrial Effluent Discharge Sampling.

Surface Water Sampling:

EMD Operating Procedure 5-21000-OPS-SW.1, Surface Water Data Collection Activities.

EMD Operating Procedure 5-21000-FO, Field Operating Procedures, Volume I.